# CITY OF COSTA MESA TRANSPORTATION SERVICES DIVISION

# BROADWAY IMPROVEMENTS

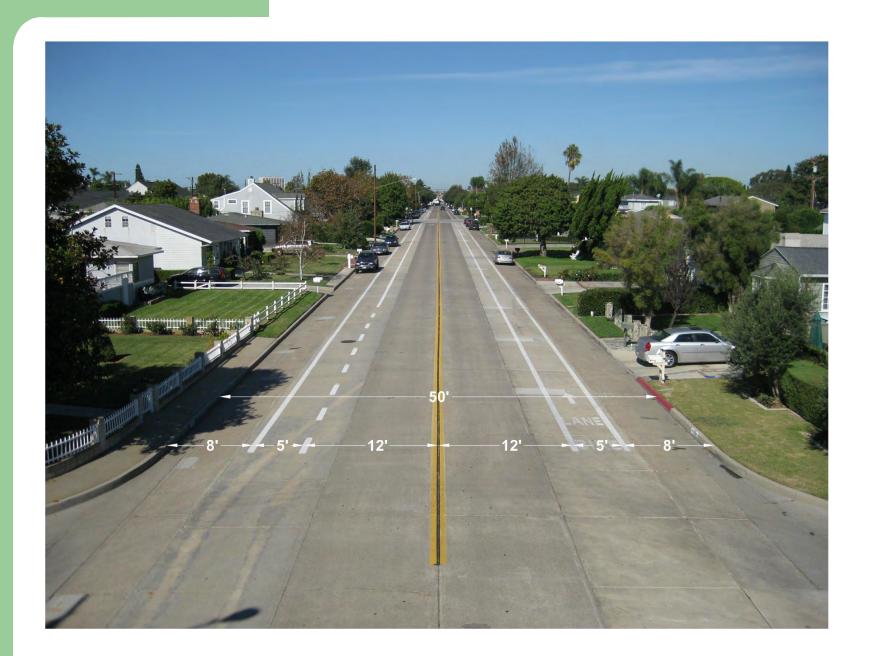
**NEIGHBORHOOD MEETING** 



## **Background**

- Curb to curb width between Fullerton Avenue and Tustin Avenue is 50 feet.
- Curb to curb width between Tustin
   Avenue and Irvine Avenue is 42 feet.
- Right-of-Way
  - 60 Feet Between Fullerton Avenue and Santa Ana Avenue
  - 70 Feet Between Santa Ana Avenue and Irvine Avenue

## **BROADWAY** TYPICAL EXISTING SECTION



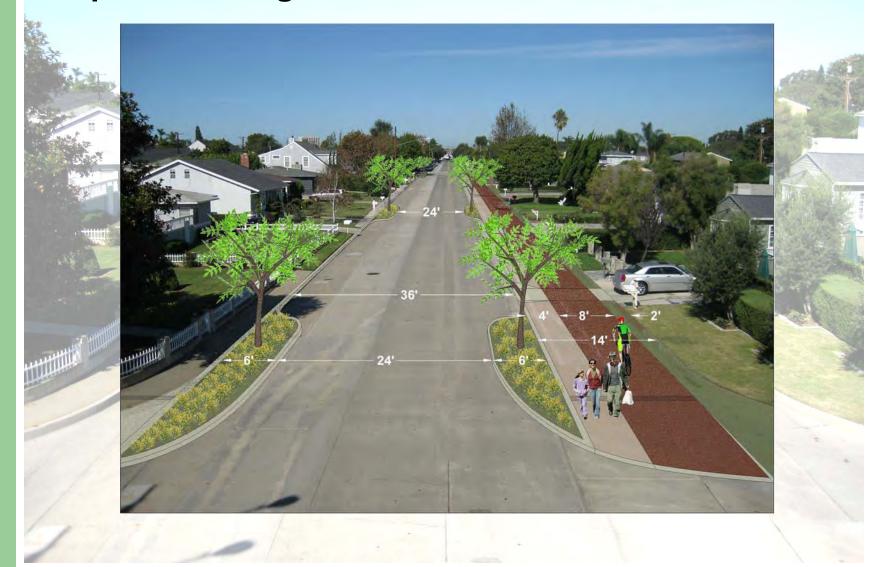
## **Grant Summary**

- The project addresses traffic issues and resident concerns on Broadway by narrowing street width and installing traffic calming devices.
- The project limits are Fullerton Avenue to Irvine Avenue.
- Preliminary approval has been received.

## **Grant Information**

- I. Features Eligible for Grant Funding:
  - A. Narrowing curb to curb width
  - **B. Sidewalks**
  - C. Chokers and Medians
  - D. Landscape Treatments
  - E. Bicycle facilities

### **Option 1 Straight Bike Trail with Chokers/Medians**



### Option 2 Meandering Bike Trail with Chokers/Medians



# Option 3 Meandering Bike Trail with Chokers/Medians and Improvements on Both Sides





## **Options Survey Results**

- 1. Option 1 Straight Bike Trail with Chokers/Medians 0%
- 2. Option 2 Meandering Bike Trail with Chokers/Medians 6%
- 3. Option 3 Meandering Bike Trail with Chokers/Medians and Improvements on Both Sides 33%
- 4. Option 4 Maintain On-street Bicycle Lanes 39%
- 5. Other 22%

# Resident Concerns from March 4, 2010 Meeting

- 1. Parking impacts from installation of traffic calming devices
- 2. Mail delivery service
- 3. Bicycle trail location and accessibility
- 4. Real landscaping incorporated into options
- 5. Diversion of traffic from Broadway to other streets
- 6. Traffic calming options will affect property values

### Responses to Resident Concerns

- 1. Several parking surveys conducted and preliminary concepts designed to minimize parking impact
- 2. Post office will continue to deliver mail
- 3. Designs will adhere to Federal and State Standards for bicycle accessibility
- 4. Designs will incorporate landscaping & trees where feasible
- 5. Traffic calming devices designed to reduce traffic speed, not divert traffic
- 6. Options address traffic speeding and also beautify Broadway

### **Parking Survey Days and Times**

- 1. March 25, 2010 Thursday 3:30 PM
- 2. March 28, 2010 Sunday 6:00 AM
- 3. April 1, 2010 Thursday 4:00 AM
- 4. April 1, 2010 Thursday 3:30 PM
- 5. April 3, 2010 Saturday 6:00 AM
- 6. April 6, 2010 Tuesday 9:45 PM

### Parking Survey Results

- 1. Fullerton Avenue to Orange Avenue
  Total Available = 38, Maximum Usage = 30, 79%
- 2. Orange Avenue to Westminster Avenue
  Total Available = 36, Maximum Usage = 24, 67%
- 3. Westminster Avenue to Santa Ana Avenue Total Available = 41, Maximum Usage = 22, 54%
- 4. Santa Ana Avenue to Raymond Avenue

  Total Available = 36, Maximum Usage = 23, 64%
- 5. Raymond Avenue to Tustin Avenue
  Total Available = 44, Maximum Usage = 27, 61%
- 6. Tustin Avenue to Irvine Avenue

  Total Available = 112, Maximum Usage = 56, 50%

## BROADWAY SAFE ROUTE TO SCHOOL (SRTS) GRANT

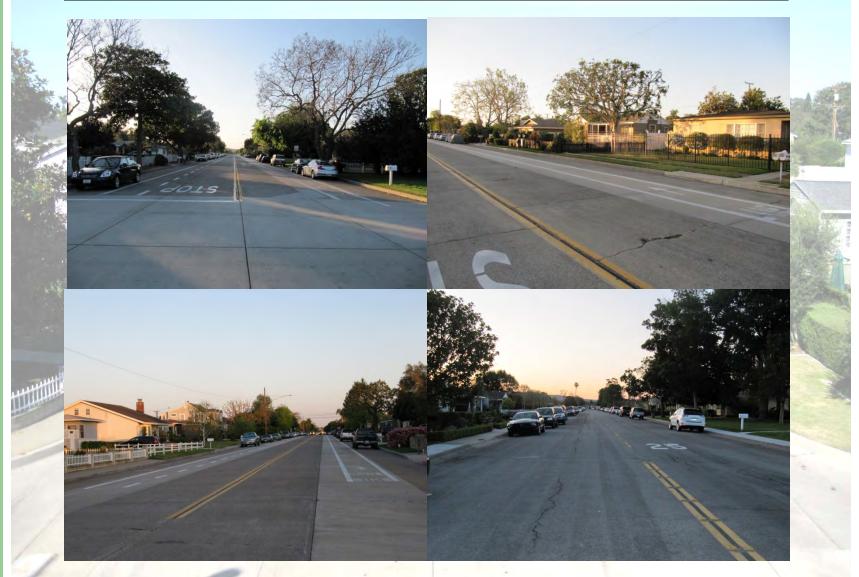
#### Parking Survey Photos - Thursday March 25, 2010 3:30 PM





## BROADWAY SAFE ROUTE TO SCHOOL (SRTS) GRANT

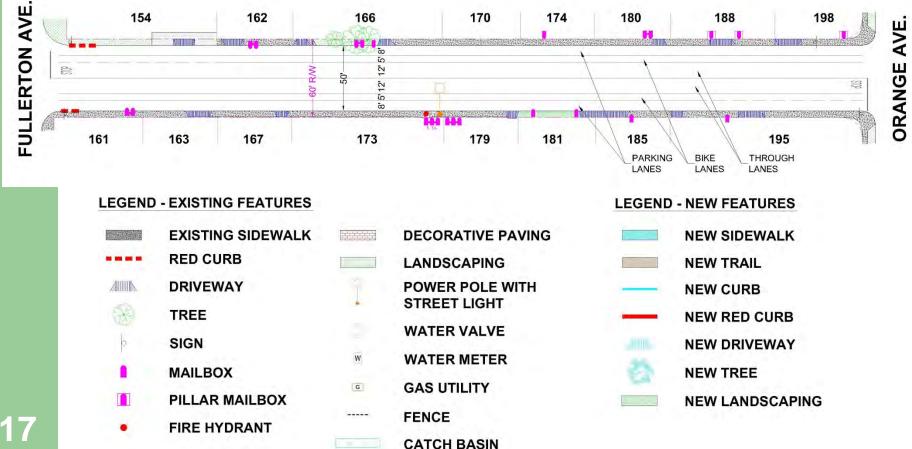
#### Parking Survey Photos - Sunday March 28, 2010 6:00 AM



#### **EXISTING - FULLERTON TO ORANGE**

TOTAL PARKING AVAILABLE = 38

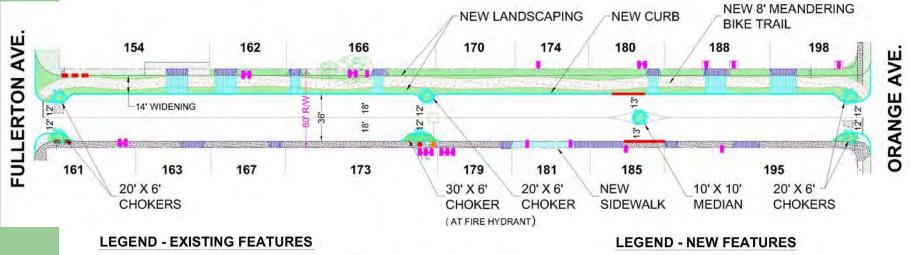
MAXIMUM PARKING USAGE = 30, 79%



#### **OPTION 3 - FULLERTON TO ORANGE**

PARKING SUMMARY
TOTAL AVAILABLE = 38
WITH IMPROVEMENTS = 32
NET LOSS = 6

MAXIMUM PARKING USAGE = 30, 79%

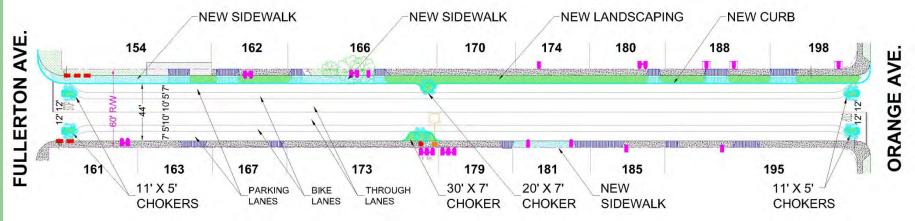


#### **EXISTING SIDEWALK** DECORATIVE PAVING NEW SIDEWALK RED CURB LANDSCAPING **NEW TRAIL** AIIIIN DRIVEWAY **POWER POLE WITH NEW CURB** STREET LIGHT TREE **NEW RED CURB** WATER VALVE SIGN **NEW DRIVEWAY** WATER METER MAILBOX **NEW TREE GAS UTILITY** G PILLAR MAILBOX NEW LANDSCAPING FENCE **FIRE HYDRANT CATCH BASIN**

#### **OPTION 4 - FULLERTON TO ORANGE**

PARKING SUMMARY
TOTAL AVAILABLE = 38
WITH IMPROVEMENTS = 35
NET LOSS = 3

MAXIMUM PARKING USAGE = 30, 79%

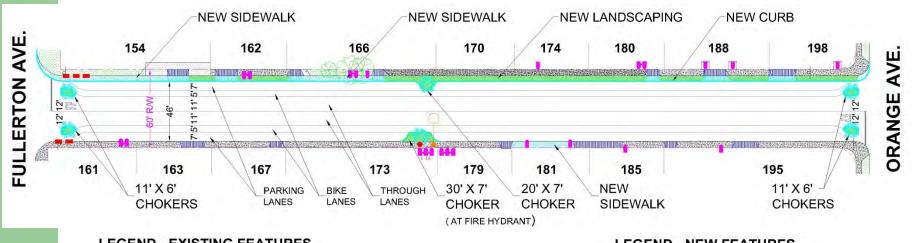




#### **MODIFIED OPTION 4 - FULLERTON TO ORANGE**

PARKING SUMMARY
TOTAL AVAILABLE = 38
WITH IMPROVEMENTS = 35
NET LOSS = 3

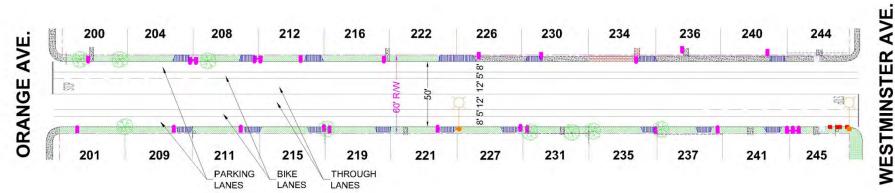
MAXIMUM PARKING USAGE = 30, 79%



#### **LEGEND - EXISTING FEATURES LEGEND - NEW FEATURES EXISTING SIDEWALK** DECORATIVE PAVING NEW SIDEWALK RED CURB LANDSCAPING **NEW TRAIL** AIIIIN DRIVEWAY POWER POLE WITH **NEW CURB** STREET LIGHT TREE **NEW RED CURB** WATER VALVE SIGN **NEW DRIVEWAY** WATER METER MAILBOX **NEW TREE GAS UTILITY** G PILLAR MAILBOX NEW LANDSCAPING FENCE **FIRE HYDRANT CATCH BASIN**

#### **EXISTING - ORANGE TO WESTMINSTER**

TOTAL PARKING AVAILABLE = 36 MAXIMUM PARKING USAGE = 24, 67%

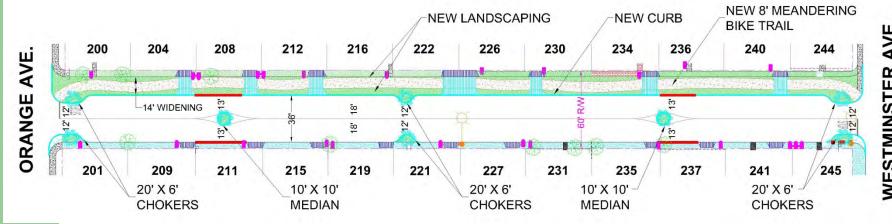




AVE. WESTMINSTER

PARKING SUMMARY TOTAL AVAILABLE = 36 WITH IMPROVEMENTS = 25 NET LOSS = 11

MAXIMUM PARKING USAGE = 24, 67%

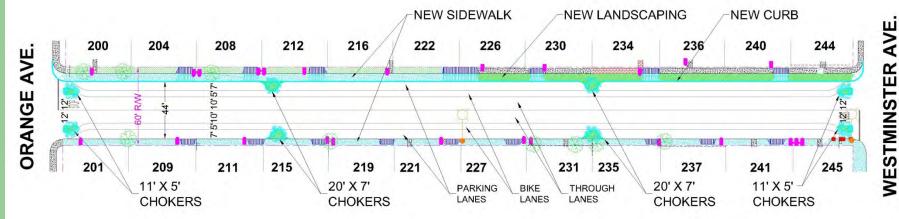


#### **LEGEND - EXISTING FEATURES LEGEND - NEW FEATURES EXISTING SIDEWALK NEW SIDEWALK** DECORATIVE PAVING RED CURB LANDSCAPING **NEW TRAIL** AIIIIN DRIVEWAY **POWER POLE WITH NEW CURB** STREET LIGHT TREE **NEW RED CURB WATER VALVE** SIGN **NEW DRIVEWAY** WATER METER MAILBOX **NEW TREE GAS UTILITY** G **PILLAR MAILBOX** NEW LANDSCAPING FENCE **FIRE HYDRANT CATCH BASIN**

#### **OPTION 4 - ORANGE TO WESTMINSTER**

PARKING SUMMARY
TOTAL AVAILABLE = 36
WITH IMPROVEMENTS = 29
NET LOSS = 7

MAXIMUM PARKING USAGE = 24, 67%

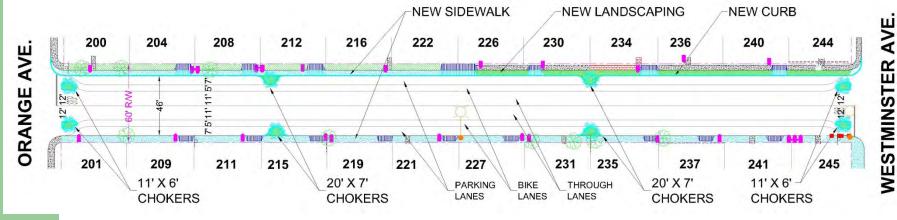




#### MODIFIED OPTION 4 - ORANGE TO WESTMINSTER

PARKING SUMMARY
TOTAL AVAILABLE = 36
WITH IMPROVEMENTS = 29
NET LOSS = 7

MAXIMUM PARKING USAGE = 24, 67%

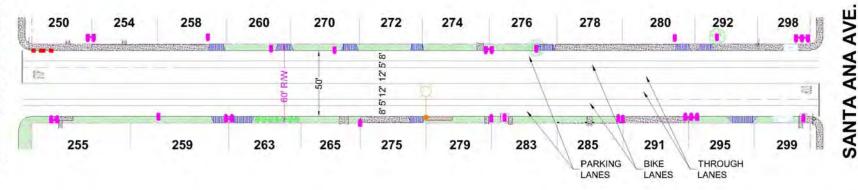


#### **LEGEND - EXISTING FEATURES LEGEND - NEW FEATURES EXISTING SIDEWALK NEW SIDEWALK** DECORATIVE PAVING RED CURB LANDSCAPING **NEW TRAIL** AIIIIN DRIVEWAY **POWER POLE WITH NEW CURB** STREET LIGHT TREE **NEW RED CURB** WATER VALVE SIGN **NEW DRIVEWAY** WATER METER MAILBOX **NEW TREE GAS UTILITY** G **PILLAR MAILBOX** NEW LANDSCAPING FENCE **FIRE HYDRANT CATCH BASIN**

#### **EXISTING-WESTMINSTER TO SANTA ANA**

TOTAL PARKING AVAILABLE = 41



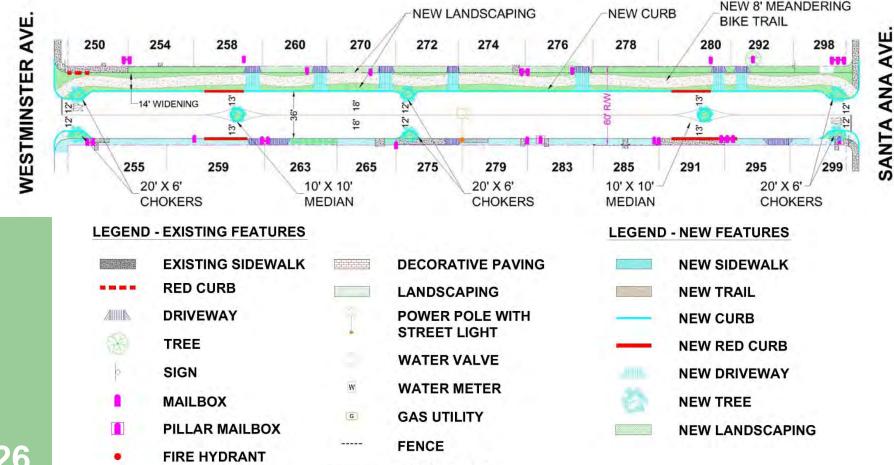




#### **OPTION 3 - WESTMINSTER TO SANTA ANA**

PARKING SUMMARY TOTAL AVAILABLE = 41WITH IMPROVEMENTS = 31 NET LOSS = 10

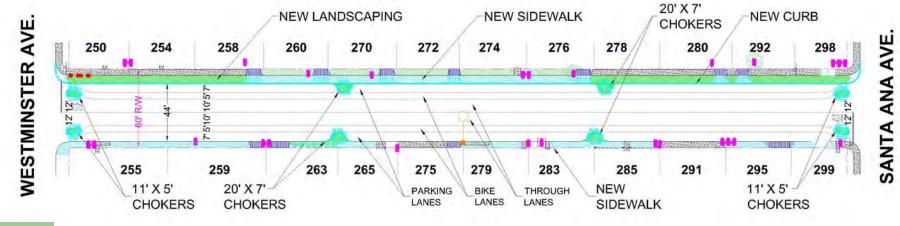
MAXIMUM PARKING USAGE = 22, 54%

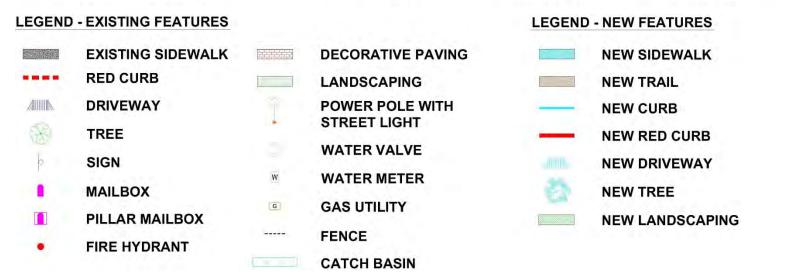


**CATCH BASIN** 

#### **OPTION 4 - WESTMINSTER TO SANTA ANA**

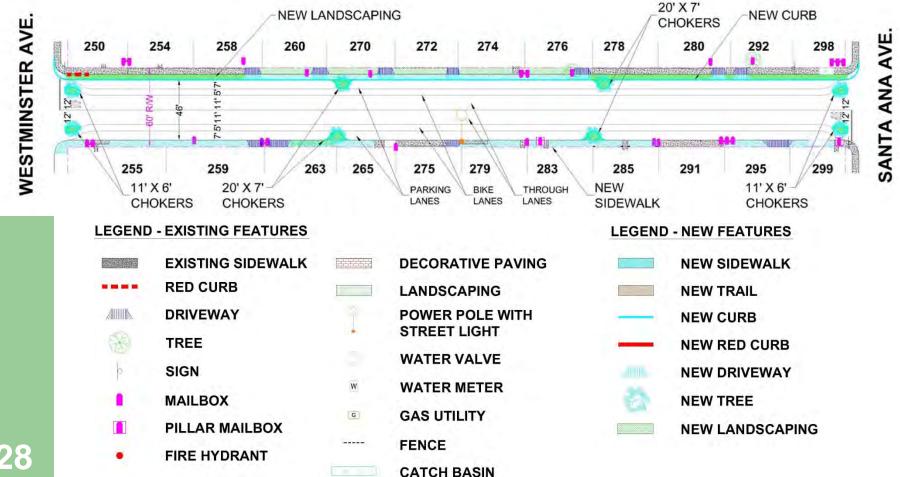
PARKING SUMMARY
TOTAL AVAILABLE = 41
WITH IMPROVEMENTS = 34
NET LOSS = 7





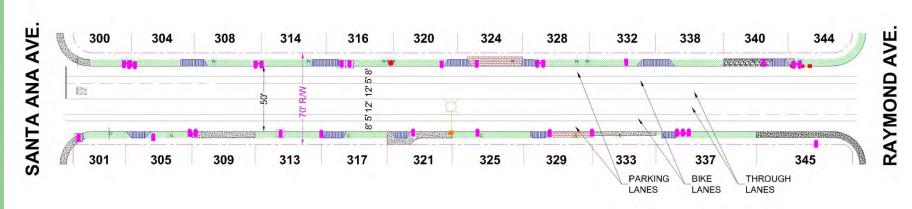
#### MODIFIED OPTION 4 - WESTMINSTER TO SANTA ANA

PARKING SUMMARY TOTAL AVAILABLE = 41WITH IMPROVEMENTS = 34 NET LOSS = 7



#### **EXISTING - SANTA ANA TO RAYMOND**

TOTAL PARKING AVAILABLE = 36 MAXIMUM PARKING USAGE = 23, 64%

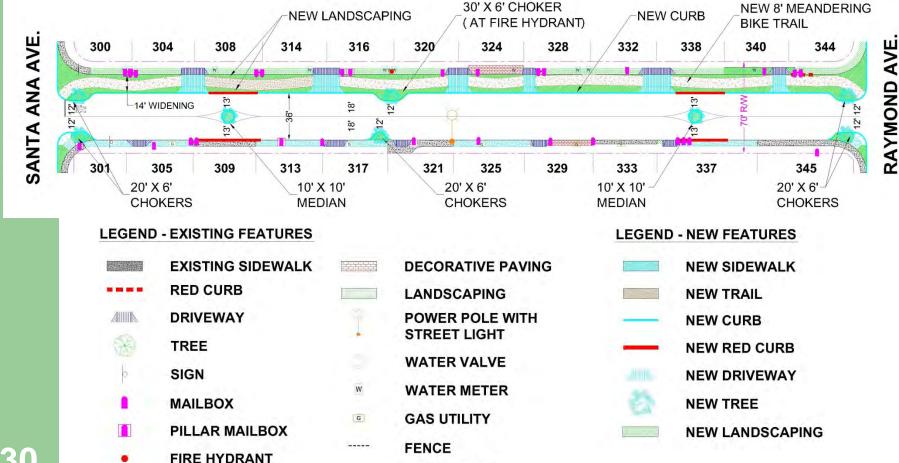




#### **OPTION 3 - SANTA ANA TO RAYMOND**

PARKING SUMMARY TOTAL AVAILABLE = 36 WITH IMPROVEMENTS = 26 NET LOSS = 10

MAXIMUM PARKING USAGE = 23, 64%

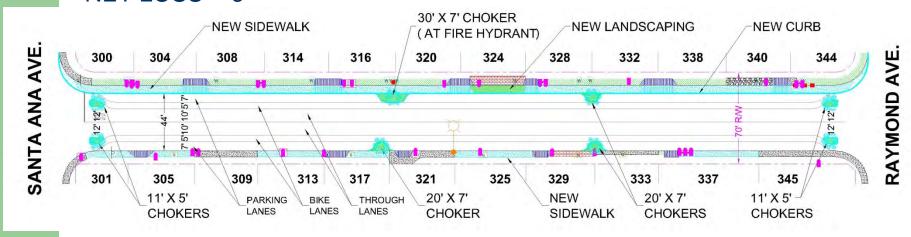


**CATCH BASIN** 

#### **OPTION 4 - SANTA ANA TO RAYMOND**

PARKING SUMMARY
TOTAL AVAILABLE = 36
WITH IMPROVEMENTS = 30
NET LOSS = 6

MAXIMUM PARKING USAGE = 23, 64%

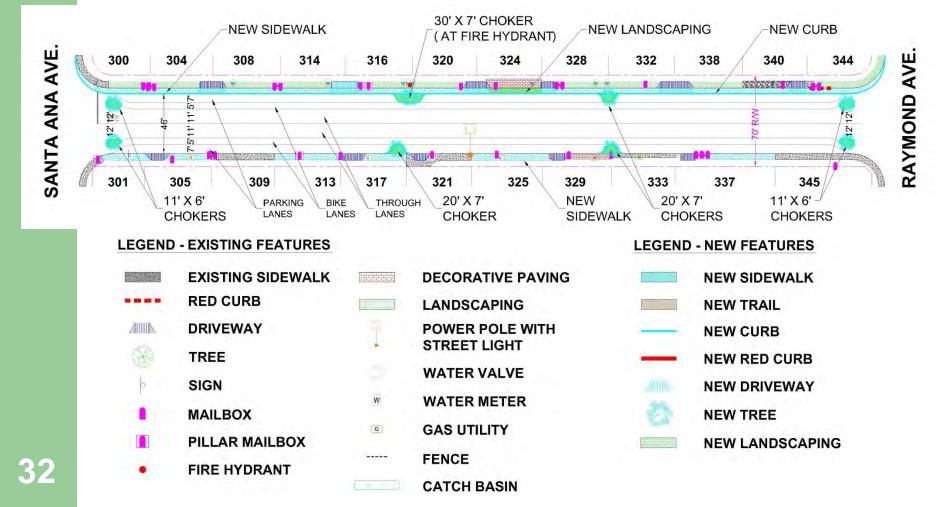




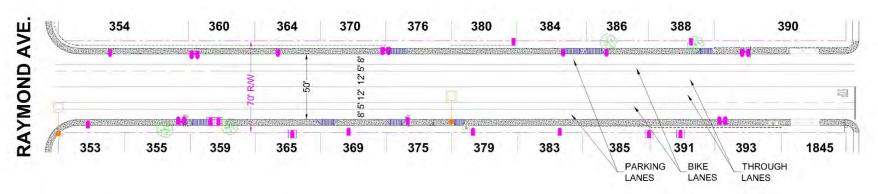
#### MODIFIED OPTION 4 - SANTA ANA TO RAYMOND

PARKING SUMMARY
TOTAL AVAILABLE = 36
WITH IMPROVEMENTS = 30
NET LOSS = 6

MAXIMUM PARKING USAGE = 23, 64%



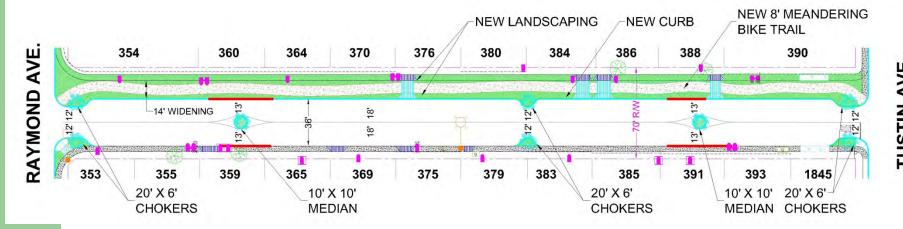
TOTAL PARKING AVAILABLE = 44





PARKING SUMMARY TOTAL AVAILABLE = 44WITH IMPROVEMENTS = 31 NET LOSS = 13

MAXIMUM PARKING USAGE = 27, 61%

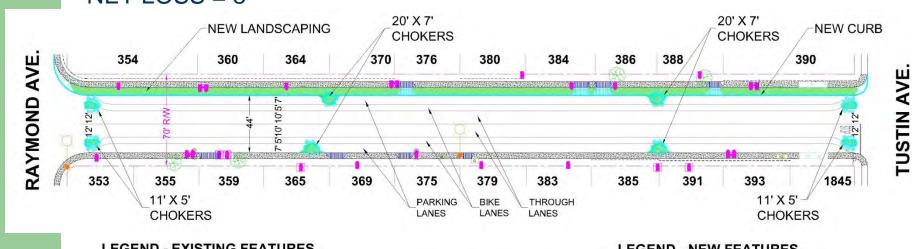


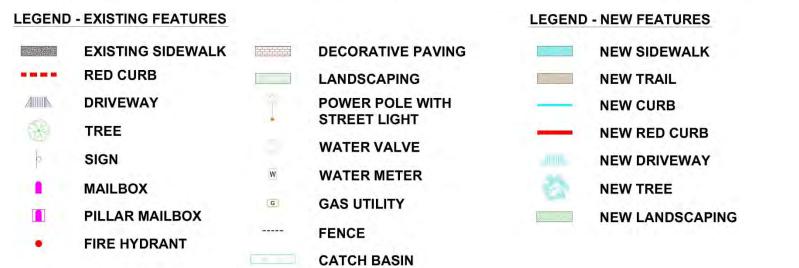
#### **LEGEND - EXISTING FEATURES LEGEND - NEW FEATURES EXISTING SIDEWALK** DECORATIVE PAVING NEW SIDEWALK RED CURB LANDSCAPING **NEW TRAIL** AIIIIN DRIVEWAY **POWER POLE WITH NEW CURB** STREET LIGHT TREE **NEW RED CURB WATER VALVE** SIGN **NEW DRIVEWAY** WATER METER MAILBOX **NEW TREE GAS UTILITY** G **PILLAR MAILBOX** NEW LANDSCAPING FENCE FIRE HYDRANT **CATCH BASIN**

#### **OPTION 4 - RAYMOND TO TUSTIN**

PARKING SUMMARY
TOTAL AVAILABLE = 44
WITH IMPROVEMENTS = 36
NET LOSS = 8

MAXIMUM PARKING USAGE = 27, 61%

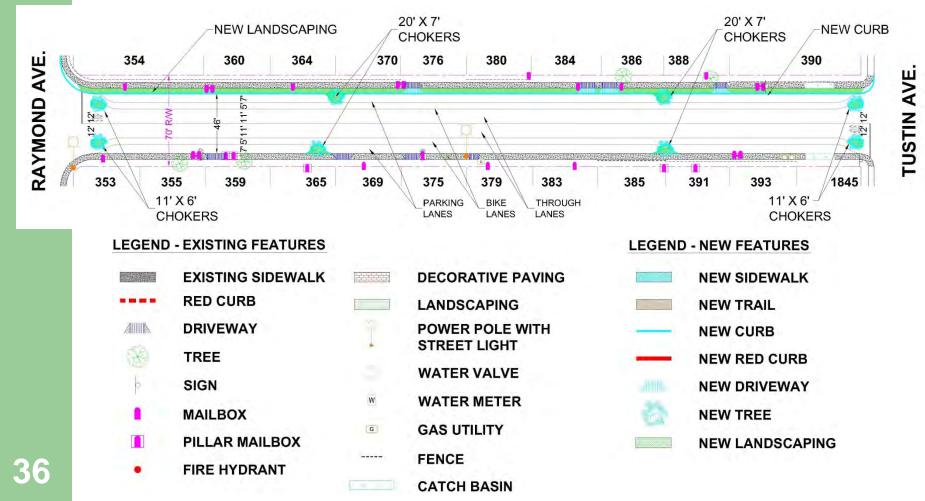




#### **MODIFIED OPTION 4 - RAYMOND TO TUSTIN**

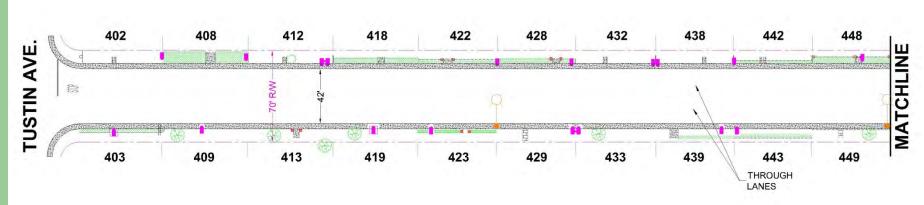
PARKING SUMMARY
TOTAL AVAILABLE = 44
WITH IMPROVEMENTS = 36
NET LOSS = 8

MAXIMUM PARKING USAGE = 27, 61%



#### EXISTING 400 BLOCK TUSTIN TO 448, 449 BROADWAY

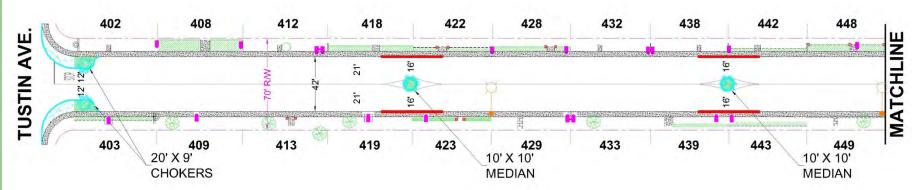
TOTAL PARKING AVAILABLE = 56





#### 400 BLOCK MEDIAN OPTION -TUSTIN TO 448, 449 BROADWAY

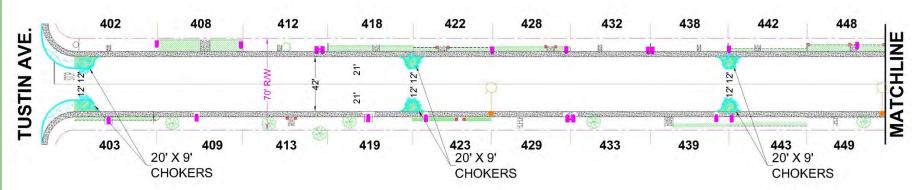
PARKING SUMMARY
TOTAL AVAILABLE = 56
WITH IMPROVEMENTS = 46
NET LOSS = 10





#### 400 BLOCK CHOKER OPTION -TUSTIN TO 448, 449 BROADWAY

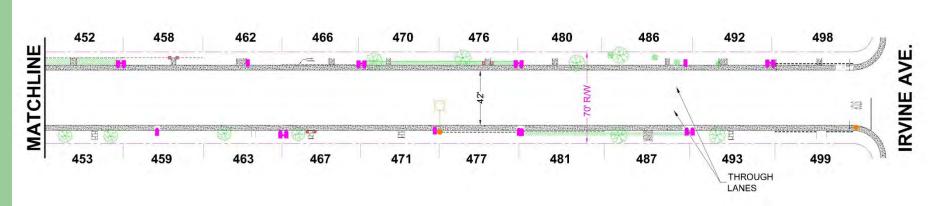
PARKING SUMMARY
TOTAL AVAILABLE = 56
WITH IMPROVEMENTS = 50
NET LOSS = 6





#### EXISTING 400 BLOCK 452, 453 BROADWAY TO IRVINE AVENUE

TOTAL PARKING AVAILABLE = 56





SIGN

**MAILBOX** 

**PILLAR MAILBOX** 

FIRE HYDRANT

#### 400 BLOCK MEDIAN OPTION -452, 453 BROADWAY TO IRVINE AVENUE

PARKING SUMMARY TOTAL AVAILABLE = 56 WITH IMPROVEMENTS = 46 NET LOSS = 10

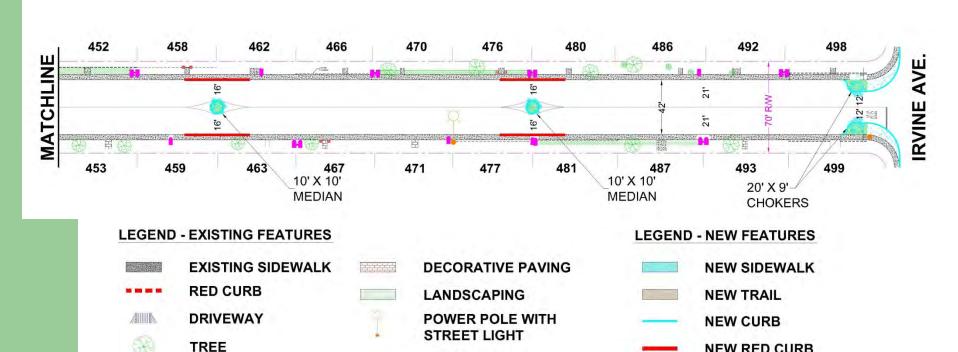
MAXIMUM PARKING USAGE = 28, 50%

**NEW RED CURB** 

**NEW DRIVEWAY** 

**NEW LANDSCAPING** 

**NEW TREE** 



**WATER VALVE** 

WATER METER

**GAS UTILITY** 

**CATCH BASIN** 

FENCE

G

# 400 BLOCK CHOKER OPTION - 452, 453 BROADWAY TO IRVINE AVENUE

PARKING SUMMARY
TOTAL AVAILABLE = 56
WITH IMPROVEMENTS = 50
NET LOSS = 6

